

$$(ii) \quad \begin{pmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \\ x_5 \\ x_6 \\ x_7 \\ x_8 \\ x_9 \\ x_{10} \\ x_{11} \\ x_{12} \\ x_{13} \\ x_{14} \\ x_{15} \\ x_{16} \\ x_{17} \\ x_{18} \\ x_{19} \\ x_{20} \\ x_{21} \\ x_{22} \\ x_{23} \\ x_{24} \\ x_{25} \\ x_{26} \\ x_{27} \\ x_{28} \\ x_{29} \\ x_{30} \\ x_{31} \\ x_{32} \\ x_{33} \\ x_{34} \\ x_{35} \\ x_{36} \\ x_{37} \\ x_{38} \\ x_{39} \\ x_{40} \\ x_{41} \\ x_{42} \\ x_{43} \\ x_{44} \\ x_{45} \\ x_{46} \\ x_{47} \\ x_{48} \\ x_{49} \\ x_{50} \\ x_{51} \\ x_{52} \\ x_{53} \\ x_{54} \\ x_{55} \\ x_{56} \\ x_{57} \\ x_{58} \\ x_{59} \\ x_{60} \\ x_{61} \\ x_{62} \\ x_{63} \\ x_{64} \\ x_{65} \\ x_{66} \\ x_{67} \\ x_{68} \\ x_{69} \\ x_{70} \\ x_{71} \\ x_{72} \\ x_{73} \\ x_{74} \\ x_{75} \\ x_{76} \\ x_{77} \\ x_{78} \\ x_{79} \\ x_{80} \\ x_{81} \\ x_{82} \\ x_{83} \\ x_{84} \\ x_{85} \\ x_{86} \\ x_{87} \\ x_{88} \\ x_{89} \\ x_{90} \\ x_{91} \\ x_{92} \\ x_{93} \\ x_{94} \\ x_{95} \\ x_{96} \\ x_{97} \\ x_{98} \\ x_{99} \\ x_{100} \end{pmatrix} \quad \text{and} \quad \begin{pmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \\ x_5 \\ x_6 \\ x_7 \\ x_8 \\ x_9 \\ x_{10} \\ x_{11} \\ x_{12} \\ x_{13} \\ x_{14} \\ x_{15} \\ x_{16} \\ x_{17} \\ x_{18} \\ x_{19} \\ x_{20} \\ x_{21} \\ x_{22} \\ x_{23} \\ x_{24} \\ x_{25} \\ x_{26} \\ x_{27} \\ x_{28} \\ x_{29} \\ x_{30} \\ x_{31} \\ x_{32} \\ x_{33} \\ x_{34} \\ x_{35} \\ x_{36} \\ x_{37} \\ x_{38} \\ x_{39} \\ x_{40} \\ x_{41} \\ x_{42} \\ x_{43} \\ x_{44} \\ x_{45} \\ x_{46} \\ x_{47} \\ x_{48} \\ x_{49} \\ x_{50} \\ x_{51} \\ x_{52} \\ x_{53} \\ x_{54} \\ x_{55} \\ x_{56} \\ x_{57} \\ x_{58} \\ x_{59} \\ x_{60} \\ x_{61} \\ x_{62} \\ x_{63} \\ x_{64} \\ x_{65} \\ x_{66} \\ x_{67} \\ x_{68} \\ x_{69} \\ x_{70} \\ x_{71} \\ x_{72} \\ x_{73} \\ x_{74} \\ x_{75} \\ x_{76} \\ x_{77} \\ x_{78} \\ x_{79} \\ x_{80} \\ x_{81} \\ x_{82} \\ x_{83} \\ x_{84} \\ x_{85} \\ x_{86} \\ x_{87} \\ x_{88} \\ x_{89} \\ x_{90} \\ x_{91} \\ x_{92} \\ x_{93} \\ x_{94} \\ x_{95} \\ x_{96} \\ x_{97} \\ x_{98} \\ x_{99} \\ x_{100} \end{pmatrix}$$

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Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents the number of hours (0 to 10), and the y-axis represents the score (0 to 100). The data points are as follows:

Hours	Score
0	0
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100